

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/33711

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01K7/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 074 089 A (MACCHIARELLI JR MICHAEL A ET AL) 13 June 2000 (2000-06-13) column 2, line 52; figure 3	1-8
X	HADLEY I C D ET AL: "INEXPENSIVE DIGITAL THERMOMETER FOR MEASUREMENTS ON SEMICONDUCTORS" INTERNATIONAL JOURNAL OF ELECTRONICS, TAYLOR AND FRANCIS.LTD. LONDON, GB, vol. 70, no. 6, 1 June 1991 (1991-06-01), pages 1155-1162, XP000240225 ISSN: 0020-7217 page 1155, paragraph 3 - page 1157, paragraph 1; figures 1,2 ----- -/--	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

9 July 2004

Date of mailing of the international search report

16/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Thomte, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/33711

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 161 893 A (BERAN ANTHONY V ET AL) 10 November 1992 (1992-11-10) column 2, line 26 - column 2, line 42 column 4, line 34 - column 5, line 19; figure 2	1-4
A	US 3 898 554 A (KNUDSEN OLE FRIIS) 5 August 1975 (1975-08-05) claim 1; figure 2	1-5
A	GB 702 510 A (FOXBORO CO) 20 January 1954 (1954-01-20) the whole document	1-8
A	US 6 494 880 B1 (PANESCU DORIN ET AL) 17 December 2002 (2002-12-17) column 10, line 57 - column 11, line 22; figures 1-3	9-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/33711

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6074089	A	13-06-2000	CA 2228333 A1 DE 19803351 A1 FR 2762908 A1 GB 2321712 A ,B IL 123052 A IT VI980012 A1 NL 1008153 C2	31-07-1998 06-08-1998 06-11-1998 05-08-1998 19-03-2001 29-07-1999 18-08-1998
US 5161893	A	10-11-1992	US 5066140 A US 5161892 A	19-11-1991 10-11-1992
US 3898554	A	05-08-1975	DE 2256197 A1 AT 337825 B AT 890673 A BE 806837 A1 CA 1003067 A1 CH 555534 A DD 107775 A5 FR 2207595 A5 GB 1441158 A IT 996970 B JP 49083482 A NL 7315609 A NO 138309 B SE 394909 B	09-08-1973 25-07-1977 15-11-1976 15-02-1974 04-01-1977 31-10-1974 12-08-1974 14-06-1974 30-06-1976 10-12-1975 10-08-1974 20-05-1974 02-05-1978 18-07-1977
GB 702510	A	20-01-1954	NONE	
US 6494880	B1	17-12-2002	US 6183468 B1 WO 0015130 A2	06-02-2001 23-03-2000